

Order 8824 flu Ship 19 Sept



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

005090

D350-822-013
Job Sheet 181970



Part No: D350-822-013

Job Qty: 3 ea

Part Name: PA100 PUREair System for AS350/EC130 - Provisions



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 8/14/18

Job Tracking No:

Due Date: 9/19/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: IIN-D350-822 REV.H IPP REV:A 16.09.01 NEW ISSUE DD VERF:JFS IPP Rev.B 17.07.11 As per IIN Rev.G
DP Verify DD IPP REV:C 18.07.11 AS PER IIN REV.H DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	3 Ea	9/19/18	9/19/18	0.00	0.00	Start Up Stores/Pkg-1		AUG 22 2018
110	Packaging	3 pcs	9/19/18	9/19/18	0.00	0.00	Packaging1-4		SEP 17 2018
120	QC	3 pcs	9/19/18	9/19/18	0.00	0.00	QC4		SEP 17 2018
130	Packaging	3 pcs	9/19/18	9/19/18	0.00	0.00	Packaging3-1		SEP 17 2018
135	DC	3 pcs	9/19/18	9/19/18	0.00	0.00	DC		SEP 17 2018
140	QC21-FG	3 Ea	9/19/18	9/19/18	0.00	0.00	QC21		SEP 17 2018

Part Op 130 - Identify and pack for shipping as per PPP D350-822-013

Descriptions: 135 - Photocopy bluefile & type labels per PPP D350-822-013 CHG003

Job BOM

Part Item	Component Name	Quantity	Operation	Container
23350CA050	Washer	6 Ea (2 ea)	90-Start up Operation	3013736
650.0401	Pureair Fairing Assembly	3 Ea (1 ea)	90-Start up Operation	5042254X1 505804X1
8411999090	Gasket - P/N 9752100180	3 pcs (1 ea)	90-Start up Operation	5050837
9945000120	Gasket (for B3e models)	3 pcs (1 ea)	90-Start up Operation	5048154
AN821-12J	Elbow (or AN821-12K or 12S)	6 Ea (2 ea)	90-Start up Operation	5054890
AN929-12J	Cap	3 Ea (1 ea)	90-Start up Operation	5052425
D4925-041	Mounting Plate Assembly	3 Ea (1 ea)	90-Start up Operation	5062449
D4931-1	Engine Fitting (for acft models B2 & previous)	3 Ea (1 ea)	90-Start up Operation	5043549
D4931-3	Engine Fitting (For B3 Models)	3 Ea (1 ea)	90-Start up Operation	5047934
D4931-5	Engine Fitting (for B3e models)	3 Ea (1 ea)	90-Start up Operation	5047643
D4935-1	Mounting Bracket	18 Ea (6 ea)	90-Start up Operation	5057126
D4943-1	Flex Hose	3 Ea (1 ea)	90-Start up Operation	5072110
D4961-041	Tube Assembly	3 Ea (1 ea)	90-Start up Operation	5055404
D4961-043	Tube Assembly	3 Ea (1 ea)	90-Start up Operation	5110094
D5079-1	Placard, Eaps	6 Ea (2 ea)	90-Start up Operation	5046377
D5090-041	Duct Assembly	3 Ea (1 ea)	90-Start up Operation	5060005
D5105-1	Handle	6 Ea (2 ea)	90-Start up Operation	5047676
D5110-1	Swivel Nut Fitting	3 Ea (1 ea)	90-Start up Operation	5047765
D5179-1	Doubler	6 Ea (2 ea)	90-Start up Operation	5048925
D5179-3	Doubler	6 Ea (2 ea)	90-Start up Operation	5048931
D5194-1	Doubler	6 Ea (2 ea)	90-Start up Operation	5051509
D5208-041	Blanking Plate Assembly	9 Ea (3 ea)	90-Start up Operation	5060044X8 5103805X17

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>					Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																			
	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																			
	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																			
Large Fab ☐	Composite ☐	Supplier ☐																					

Date :

Step #:

QTY Effective :

Description Work Order Deviation	Disposition

DART AEROSPACE
 Container No: S110739
 Part: D350-822-013
 Job No: 181970
 Serial No/Batch: S110739
 Revision: H
 Inspector: _____
 Exp Date: _____
 Instructions: TC STC SH14-14-Issue 2, FAA/STC SR03538NY 15/09/22, EASA

Approval By _____
 Supervisor cation _____
 Director _____
 DART Aerospace Ltd.
 1270 Aberdeen Street
 Hemet, OR 96641
 CANADA S13 822-8200
 Tel: 519-833-8200
 Email: sales@dartaero.com
 www.dartaero.com

Root Cause		FAULT CATEGORY	
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐

LN9038-05012	Bolt	108 pcs (36 ea)	90-Start up Operation	5048585
LN9038-05040	Bolt	3 pcs (1 ea)	90-Start up Operation	FM136260
LN9348-05	Nut	96 pcs (32 ea)	90-Start up Operation	5074902
MS20470AD3-4	Rivet, Universal Head	54 Ea (18 ea)	90-Start up Operation	FM136665-40
MS21919WCH12	Clamp	3 Ea (1 ea)	90-Start up Operation	5014744
MS9592-138	Bracket	3 pcs (1 ea)	90-Start up Operation	5014155
NAS1149D0332J	Washer	210 Ea (70 ea)	90-Start up Operation	5035396
NAS43DD3-64	Spacer	3 Ea (1 ea)	90-Start up Operation	5050057
22208CM050016E	Screw	6 pcs (2 ea)	90-Start up Operation	FM138012
9945000160	Gasket	3 Ea (1 ea)	90-Start up Operation	5050821
D5526-1	Upper Hose Protector	3 Ea (1 ea)	90-Start up Operation	5053355X1
D5526-3	Lower Hose Protector	3 Ea (1 ea)	90-Start up Operation	3109112
LN9038-05016	Bolt	6 pcs (2 ea)	90-Start up Operation	FM132462

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	22208CM050016E	6	28	0
	23350CA050	6	38	0
	650.0401	3	10	0
	8411999090	3	8	0
	9945000120	3	6	0
	9945000160	3	3	0
	AN821-12J	6	21	0
	AN929-12J	3	12	0
	D4925-041	3	13	0
	D4931-1	3	21	0
	D4931-3	3	5	0
	D4931-5	3	6	0
	D4935-1	18	24	0
	D4943-1	3	22	0
	D4961-041	3	11	0
	D4961-043	3	0	0
	D5079-1	6	20	0
	D5090-041	3	3	0
	D5105-1	6	8	0
	D5110-1	3	20	0
	D5179-1	6	19	0
	D5179-3	6	34	0
	D5194-1	6	9	0
	D5208-041	9	8	0
	D5526-1	3	1	0
	D5526-3	3	0	0
	LN9038-05012	108	208	0
	LN9038-05016	6	50	0
	LN9038-05040	3	30	0
	LN9348-05	96	156	0
	MS20470AD3-4	54	6,641	0
	MS21919WCH12	3	15	0
	MS9592-138	3	21	0
	NAS1149D0332J	210	2,779	0
	NAS43DD3-64	3	20	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval																																																								
Description Work Order Deviation				Disposition				Completed By																																																							
								Lead hand / Supervisor Approval Verification																																																							
								QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____	
Misidentified ☐	Past Due ☐																																																														



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Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
005090	S104062	22208CM050016E	Screw	fm138012	ST577	6
005090	S104066	23350CA050	Washer	s013736	ST577	6
005090	F155151	650.0401	Pureair Fairing Assembly		FG105	1
005090	S042254	650.0401	Pureair Fairing Assembly	S042237	FG105	1
005090	S058011	650.0401	Pureair Fairing Assembly	S057992	FG106	1
005090	S104250	8411999090	Gasket - P/N 9752100180	s050837	ST586	3
005090	S104252	9945000120	Gasket (for B3e models)	s048154	ST589	3
005090	S050821	9945000160	Gasket		ST589	3
005090	S104255	AN821-12J	Elbow (or AN821-12K or 12S)	s054890	ST324	6
005090	S104256	AN929-12J	Cap	s057425	ST322	3
005090	S104168	D4925-041	Mounting Plate Assembly	s067449	ST218	3
005090	S104159	D4931-1	Engine Fitting (for acft models B2 & previous)	S043549	ST127	3
005090	S104161	D4931-3	Engine Fitting (For B3 Models)	s047934	ST127	3
005090	S104162	D4931-5	Engine Fitting (for B3e models)	s047643	ST127	3
005090	S104139	D4935-1	Mounting Bracket	s057126	ST128	18
005090	S104137	D4943-1	Flex Hose	s072110	ST220B	3
005090	S104135	D4961-041	Tube Assembly	s055404	ST129	3
005090	S104134	D5079-1	Placard, Eaps	s046377	ST137	6
005090	S060605	D5090-041	Duct Assembly	S060597	ST222B	3
005090	S104133	D5105-1	Handle	s047676	ST141	6
005090	S104132	D5110-1	Swivel Nut Fitting	s047765	ST142	3
005090	S104131	D5179-1	Doubler	s048935	ST220	6
005090	S104128	D5179-3	Doubler	s048931	ST220	6
005090	S104127	D5194-1	Doubler	s051509	ST220	6
005090	S066044	D5208-041	Blanking Plate Assembly	S066042	ST147	8
005090	S057355	D5526-1	Upper Hose Protector	S057350	ST167	1
005090	S104126	LN9038-05012	Bolt	s048585	ST565	108
005090	S104056	LN9038-05016	Bolt	fm132469	ST565	6
005090	S104105	LN9038-05040	Bolt	fm136260	ST565	3
005090	S104100	LN9348-05	Nut	s074902	ST565	96
005090	S104088	MS20470AD3-4	Rivet, Universal Head	fm136665-40	ST310	54
005090	S104071	MS21919WCH12	Clamp	s014744	ST291	3
005090	S104085	MS9592-138	Bracket	s014155	ST267	3
005090	S104044	NAS1149D0332J	Washer	s035396	ST264	210
005090	S104045	NAS43DD3-64	Spacer	S050057	ST550	3

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

Plex 8/23/18 7:15 AM Dart.joly.jocelyne

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB21308	FOD SCREEN ASSY
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

Change Record

PAGE 1 OF 1

Part Number: D350-822-013

Description: PA100 PUREAIR PROVISIONS

[illegible]